IN THE CLAIMS

1 (currently amended). A method for signaling of information in a frame based transmission system, whereat ~~the~~ signaling information contains information necessary for the operation of the transmission system,

characterized by steps of

inserting signaling information related to individual frames into said individual frames, and

partitioning said signaling information and inserting said partitioned signaling information into ~~different~~ frames other than said individual frames.

2 (previously amended). A method according to claim 1,

characterized in that

said inserted signaling information and said inserted partitioned signaling information are synchronized by using the given synchronization of the frame based transmission system.

3 (currently amended). A method for signaling of information in a frame based transmission system, whereat ~~the~~ signaling information contains information necessary for the operation of the transmission system,

characterized in that

inserting signaling information related to individual frames into said individual frames, and partitioning said signaling information and inserting said partitioned signaling information into ~~different~~ frames other than said individual frames, wherein said signaling information and said partitioned signaling information indicate a coding mode used for coding and decoding data in the transmission system.

4 (currently amended). A method according to claim 1,

characterized in that

said inserted signaling information related to individual frames indicates a coding mode used for coding and decoding data in the transmission system, said partitioned signaling information inserted into different frames of the uplink is a quality criterion for the transmission, and

said partitioned signaling information inserted into ~~different~~ frames other than said individual frames of the downlink indicated a coding mode used for coding and decoding data in the transmission system.

5 (previously amended). A method according to claim 1,
characterized in that
said inserted signaling information related to individual frames is channel coded separately.

6 (currently amended). A method according to claim 1, characterized in, that said partitioned signaling information inserted into ~~different~~ frames other than said individual frames is channel coded together with data contained in said other ~~different~~ frames.

7 (previously amended). A method according to claim 1,
characterized in that
the transmission system is a radio network system.

8 (previously amended). A method according to claim 7,
characterized in that
said radio network system is a GSM system.

9 (currently amended). A frame based transmission system for signaling of information, whereat the signaling information contains information necessary for the operation of the transmission system, having
means for coding and decoding of data (10,11;20,21),
means for handling the coded data in frame format (14;24), and
means for transmitting and receiving the frames (15,16;25,26),
characterized by
means for inserting and evaluating signaling information (12;22) into and from individual frames related to said individual frames, and
means for partitioning signaling information (12;22) and inserting and evaluating said partitioned information into and from ~~different~~ frames other than said individual frames.

10 (previously amended). A system according to claim 9,
characterized in that

means for synchronizing (10,11,14;20,21,24) are used to synchronize said inserted signaling information and said inserted partitioned signaling information according to the given synchronization of the frame based transmission system.

11 (currently amended). A frame based transmission system for signaling of information, whereat the signaling information contains information necessary for the operation of the transmission system, having

means for coding and decoding of data (10, 11; 20, 21),

means for handling the coded data in frame format (14; 24), and

means for transmitting and receiving the frames (15, 16; 25, 26),

characterized by

means for inserting and evaluating signaling information (12; 22) into and from individual frames related to said individual frames, and

means for partitioning signaling information (12; 22) and inserting and evaluating said partitioned information into and from ~~different~~ frames other than said individual frames, wherein means for channel coding and decoding (13; 23) are used to channel code and decode the signaling information provided by said means for inserting and evaluating signaling information (12; 22) into and from individual frames.

12 (currently amended). A system according to claim 9,

characterized in that

the means for channel coding (11;21) are used to channel code and decode the signaling information provided by said means for partitioning signaling information (12;22) and inserting and evaluating said partitioned information into and from ~~different~~ frames other than said individual frames.

13 (previously amended). A system according to claim 9,

characterized in that

the transmission system is a radio network system.

14 (previously amended). A system according to claim 13,

characterized in that

said radio network system is a GSM system.

15 (currently amended). A system according to claim 9,

characterized in that

said signaling information provided by said means for inserting and evaluating signaling information (12;22) into and from individual frames and said signaling information provided by said means for partitioning signaling information (12;22) and inserting and evaluating said partitioned information into and from ~~different~~ frames other than said individual frames indicate coding modes used by the means for coding and decoding (10,11;20,21).

16 (previously amended). A system according to claim 15,

characterized in that

said system is a fixed part (1) of said radio network system.

17 (currently amended). A system according to claim 9,

characterized in that

said signaling information provided by said means for inserting and evaluating signaling information (12;22) into and from individual frames indicate coding modes used by the means for coding and decoding (10,11;20,21), and said signaling information provided by said means for partitioning signaling information (12;22) and inserting and evaluating said partitioned information into and from ~~different~~ frames other than said individual frames indicate a quality criterion for transmission.

18 (previously amended). A system according to claim 17,

characterized in that

said system is a mobile part (2) of said radio network system.

19 (previously amended). A system according to claim 18,

characterized in that

said quality measurement for transmission is evaluated by said mobile part (2) of said radio network system, based on frames received from said fixed part of said radio network system.

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